GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA

UNSTARRED QUESTION NO:1852
ANSWERED ON:08.03.2006
RESEARCH ON GENERATION OF POWER FROM BIO- GAS/ BIO -DIESEL/ SOLAR ENERGY
Appadurai Shri M.;Manoj Dr. K.S.

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

:

(a) whether the Government has conducted any research for generation of power from bio-gas, bio-diesel and solar energy;

(b) if so, the details thereof;

(c) the amount of grants given by the Government to institutes for undertaking such research during the last three years;

(d) whether the Government has also conducted any research regarding use of coconut shell for power generation in Thermal Power Station; and

(e) if so, the details thereof ?

Answer

MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (INDEPENDENT CHARGE) (SHRI VILAS MUTTEMWAR)

(a) & (b): The Ministry provides Central Financial Assistance for R&D projects taken up by industry, R&D institutions, academic institutions, etc. in different sectors of renewable energy, including biogas, bio-diesel/ bio-fuel and solar energy. These pertain to various aspects of biogas technology, including enhancement of efficiency, design improvement suiting a variety of climatic conditions and feed material and reduction in bio-gas plant cost; bio-fuels for transport, portable and stationary applications; and development of new solar energy materials, processes and technologies for improvement in efficiency and reduction in cost of solar energy systems / devices.

(c): The Ministry has provided an amount of Rs.4.80 crore during the last three years to various industries / institutions for undertaking such research as per the following break-up:-

Rs. in crore

	Biogas	Solar Energy	Bio-fuel
2002-03	0.27	1.48	0.45
2003-04	0.47	0.59	0.75
2004-05	0.21	0.48	0.10
Total	0.95	2.55	1.30

(d) & (e): Coconut shells can be used as fuel for power generation purposes in capacities ranging from a few kW to a few MW, depending upon its availability. R&D projects have been supported at the Indian Institute of Science, Bangalore and Anna University, Chennai. A 1.00 MW power plant based on coconut shells has been commissioned in Coimbatore, Tamil Nadu.